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Ce^{3+} : Y_2SiO_5 ABSORPTION AND
EMISSION SPECTRA

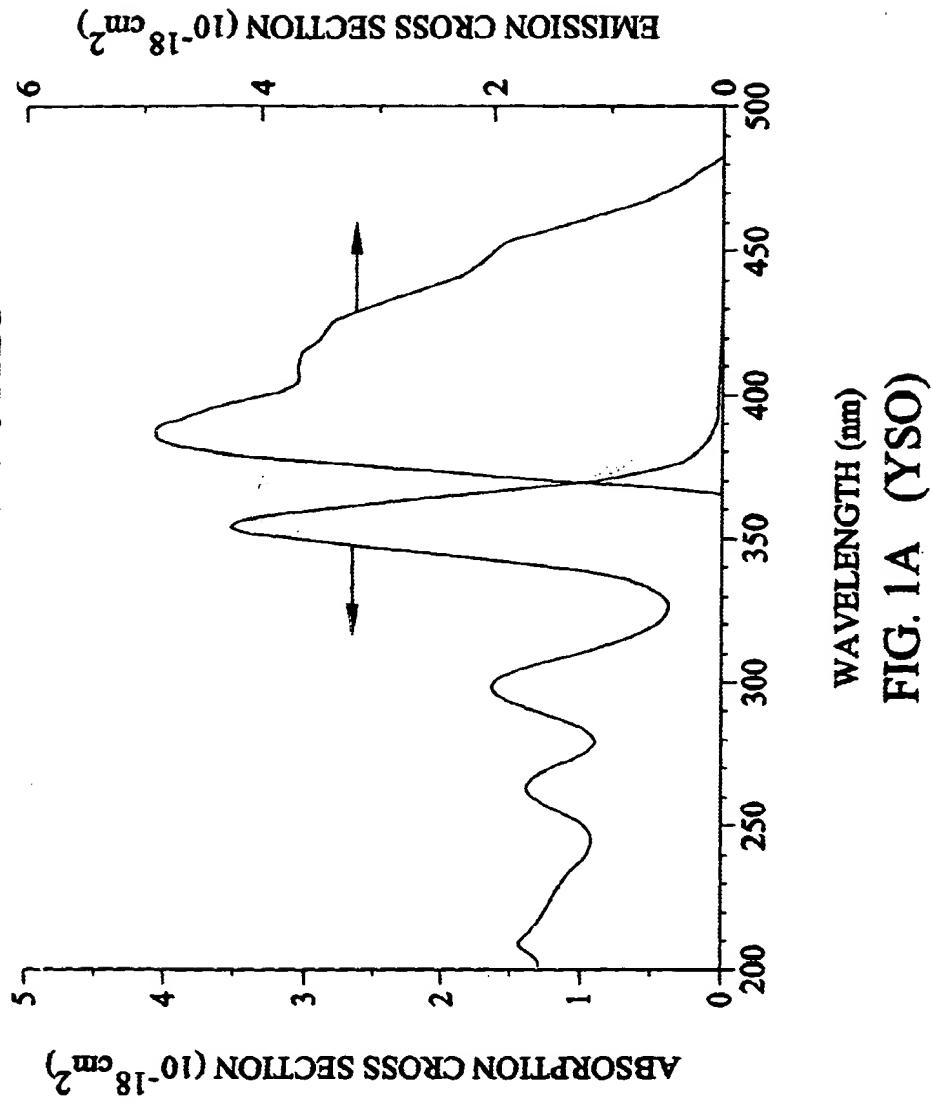


FIG. 1A (YSO)



$\text{Ce}^{3+} : \text{Lu}_2\text{SiO}_5$ ABSORPTION AND
EMISSION SPECTRA

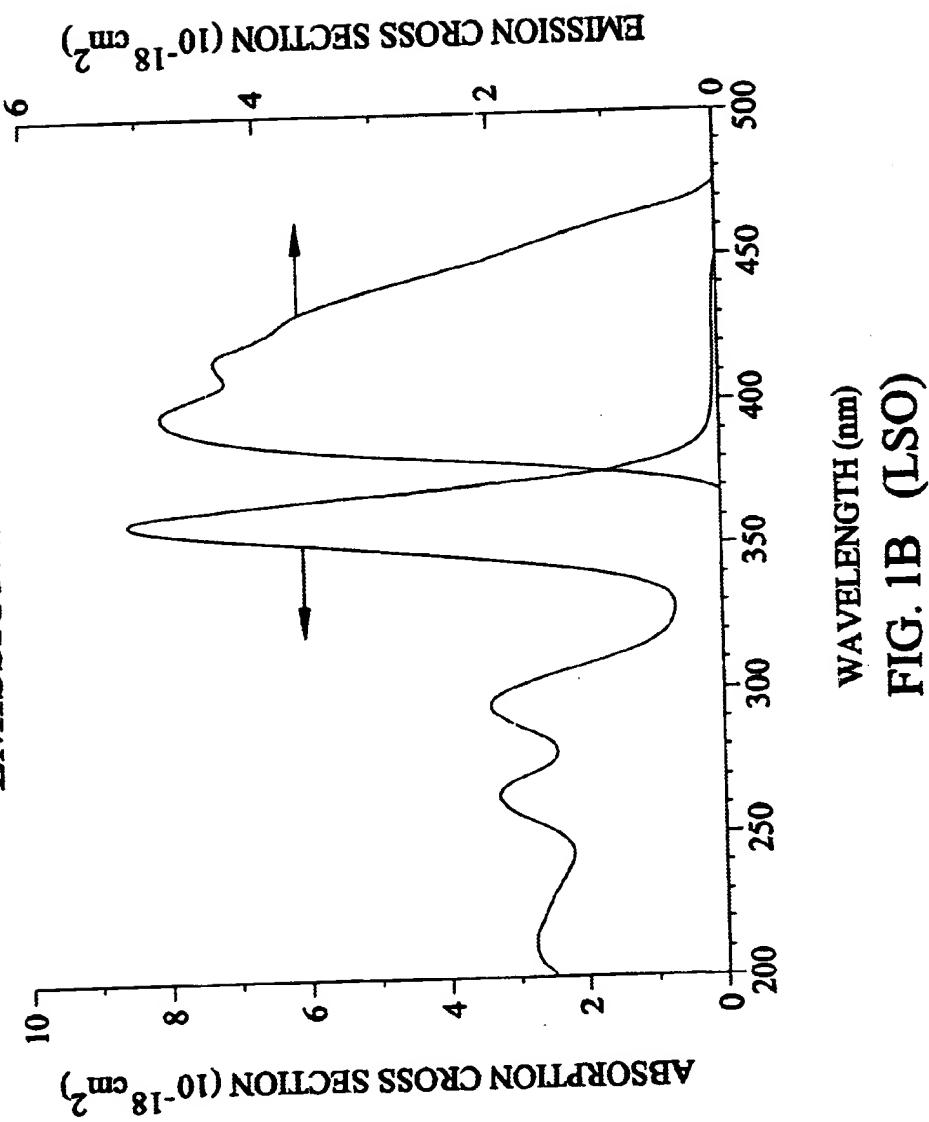


FIG. 1B (LSO)



SCINTILLATING DETECTORS



FIG. 2



SCINTILLATING RESULT

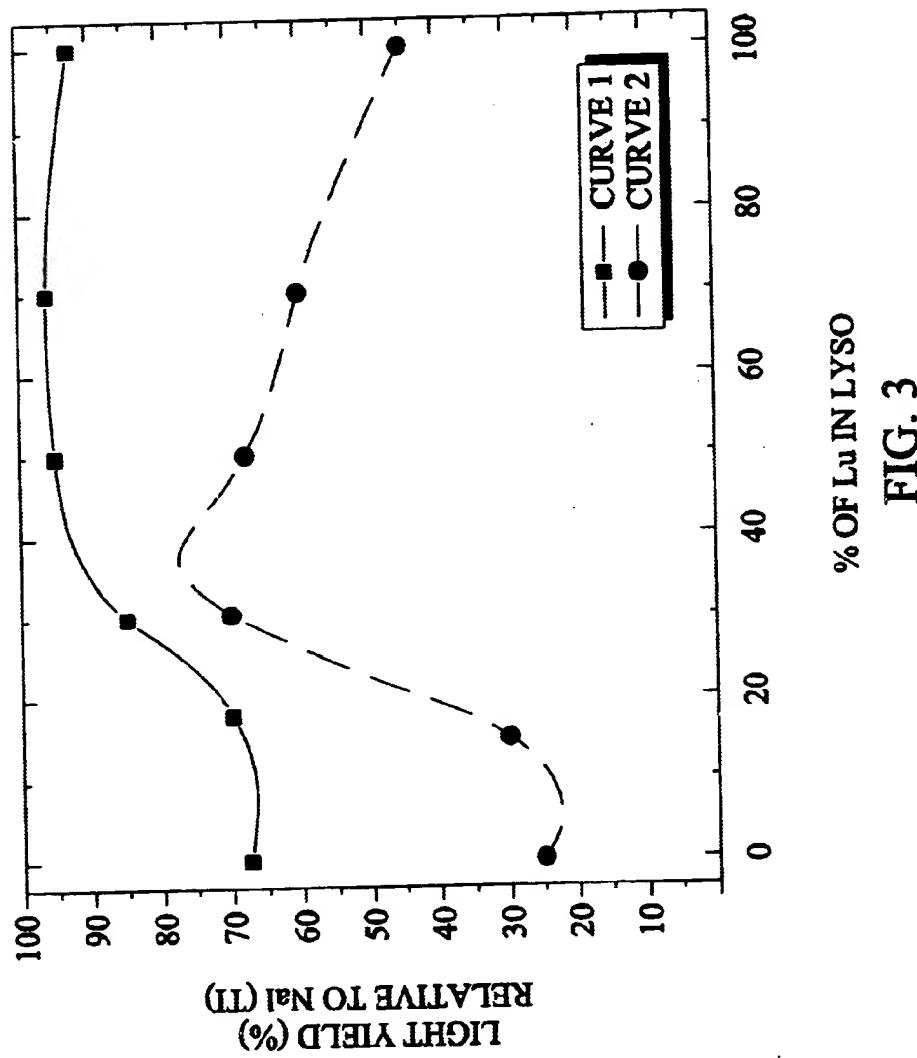


FIG. 3
% OF Lu IN LYSO



EFFECTIVE Z AS A FUNCTION OF Lu
IN LYSO

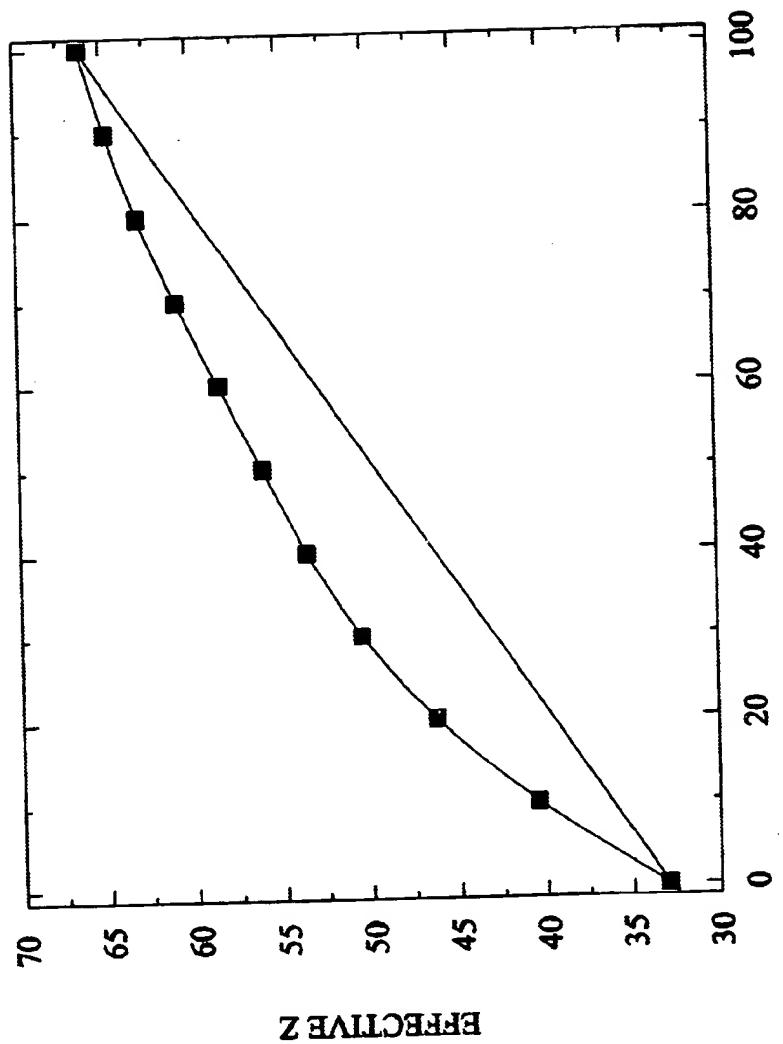


FIG. 4